



**Program Listing for  
San Diego**

Diversion Program Name	*Prior to SRRE	SRRE Selected	1997 Status	1998 Status
<b>Source Reduction</b>				
Backyard and On-Site Composting/Mulching	No	Yes	X	X
Business Waste Reduction Program	Yes	Yes	X	X
Procurement	No	Yes	X	X
School Source Reduction Programs	No	Yes	X	X
Government Source Reduction Programs	Yes	Yes	X	X
Material Exchange, Thrift Shops	No	Yes	X	X
Other Source Reduction	Yes	Yes	X	X
<b>Recycling</b>				
Residential Curbside	Yes	Yes	X	X
Residential Drop-Off	Yes	Yes	X	X
Residential Buy-Back	No	Yes	X	X
Special Collection Seasonal (regular)	Yes	Yes	X	X
Special Collection Events	Yes	Yes	X	X
<b>Composting</b>				
Residential Curbside Greenwaste Collection	Yes	Yes	X	X
Other Composting	Yes	Yes	X	X
<b>Special Waste Materials</b>				
Sludge (sewage/industrial)	No	Yes	X	X
Tires	No	Yes	X	X
White Goods	No	Yes	X	X
Concrete/Asphalt/Rubble	No	Yes	X	X

X = indicates programs being implemented

Any blank status code above could be one or more of the following:

- Dropped
- Selected and Not Implemented
- Planned Future

\* Existing prior to SRRE (Source Reduction  
Recycling Element)



## Program Listing for San Diego

Page 2  
Date Printed  
August 29, 2000

Diversion Program Name	*Prior to SRRE	SRRE Selected	1997 Status	1998 Status
<b>Public Education</b>				
Electronic (radio, TV, web, hotlines)	Yes	Yes	X	X
Print (brochures, flyers, guides, news articles)	Yes	Yes	X	X
Outreach (tech assistance, presentations, awards, fairs, field trips)	No	Yes	X	X
Schools (education and curriculum)	No	Yes	X	X
<b>Policy Incentives</b>				
Product and Landfill Bans	No	Yes	X	X
Economic Incentives	No	Yes	X	X
Ordinances	Yes	Yes	X	X
<b>Facility Recovery</b>				
MRF	No	Yes	X	X
Landfill	No	Yes	X	X
Composting Facility	Yes	Yes	X	X
<b>Transformation</b>				
Biomass	Yes	Yes	X	X
Tires	No	Yes	X	X

X = indicates programs being implemented

Any blank status code above could be one or more of the following:

- Dropped
- Selected and Not Implemented
- Planned Future

\* Existing prior to SRRE (Source Reduction  
Recycling Element)



# **Jurisdictional SRRE Program Summary** **Household Hazardous Waste (HHW)**

Selected Year(s): 1997, 1998

Page 1  
Date Printed  
August 31, 2000

Jurisdiction	Year	HH- PMF	HH- MPC	HH- CSC	HH- WSE	HH- EDP	HH- OTH
San Diego	1997	X	X	X		X	
	1998	X	X	X		X	

Legend: HH-PMF Permanent Facility  
HH-MPC Mobile or Periodic Collection  
HH-CSC Curbside Collection  
HH-WSE Waste Exchange  
HH-EDP Education Programs  
HH-OTH Other HHW



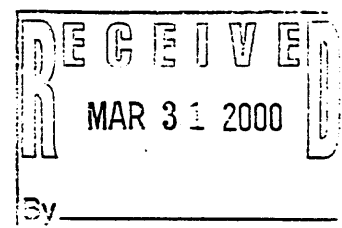
Board Meeting  
September 19-20, 2000

Agenda Item 25  
Attachment 2

## THE CITY OF SAN DIEGO

March 30, 2000

Mr. John Macanas  
Office of Local Assistance  
California Integrated Waste Management Board  
8800 Cal Center Drive  
Sacramento, CA 95826



Dear Mr. Macanas,

As requested by CIWMB staff, we are resubmitting our prior request for a base year adjustment for sewage sludge as part of an expanded Base Year Modification to include diversion and disposal tonnages attributed to Naval Station San Diego. The amended Base Year Modification Certification form (Enclosure 1) now requests two changes. They are the inclusion of the disposed and diverted sewage sludge in San Diego's base year tonnages and the removal of the disposal and diversion tonnages generated by Naval Station San Diego within the jurisdiction of National City from San Diego's base year tonnages. It is our understanding that National City is submitting a parallel request to include this waste in their Base Year Modification Request.

The sewage sludge was originally excluded from our base year because of a lack of clarity in the laws and regulations at the time the City's SRRE was submitted in 1994. Fact Sheet #13 (Enclosure 2) issued by the CIWMB in June 9, 1997 clarified the issue and dictates that "Sludge disposal must be included in the jurisdiction's base year..."

As you pointed out to City staff on February 23, 2000, a May 25, 1995 letter from the CIWMB (Enclosure 3) makes the following assertion: "The SRRE also states that the sewage sludge is generated at the San Diego County Metropolitan Wastewater Treatment Facility in Point Loma (Unincorporated area of the County of San Diego). Therefore, the sewage sludge is not generated in the City, and should not be included in the amounts disposed, diverted, or generated." This statement is incorrect. In fact, the Point Loma wastewater treatment facility is in the City of San Diego and the SRRE does not claim it is outside the City of San Diego (refer to Page 7-5 of the SRRE - Enclosure 4). Thus the CIWMB staff conclusion that the sludge generated by the plant should not be included in the amounts disposed, diverted or generated is in direct conflict with "Sludge and Diversion Goal Measurement" provided in Fact Sheet 13. The

### Environmental Services Department • Public Works Business Center

9601 Ridgehaven Court • San Diego, CA 92123-1636



Environmental Programs Division • Suite 320  
Tel (619) 492-5010 Fax (619) 492-5089

Refuse Collection Division • Suite 120  
Tel (619) 492-5059 Fax (619) 492-5068

Refuse Disposal Division • Suite 310  
Tel (619) 492-5070 Fax (619) 492-5041

25-9

Y700 45412

source of information for the 1991 base year sludge tonnages is the City of San Diego Water Utilities Department Metro Wastewater Division 1991 Annual Monitoring Report to the RWQCB (Enclosure 5).

The current contract between the City of San Diego's Metropolitan Waste Water Department and San Diego Landfill Systems for sludge disposal requires them to make best efforts to beneficially use the sludge so that it qualifies for diversion. In addition, the City has the right to redirect the sludge to beneficial use if the City identifies an appropriate site.

With respect to removing National City's military waste from our base year, in FY 1991, the City of San Diego tracked military waste as a whole as it entered the Miramar Landfill and in that year overall military disposal was 163,161 tons (Enclosure 6). In FY 1991, Naval Station San Diego diverted 791 tons of qualified material (Enclosure 7). In CY 1994, the City upgraded its landfill tracking system to differentiate refuse from construction and demolition wastes (Enclosure 6). Military waste was still tracked as a whole. In CY 1997, the City began to track waste entering the Miramar Landfill by jurisdiction and military base of origin. During this year, Naval Station San Diego landfilled 17.81% of the tons disposed in total by military activities in the San Diego area (Enclosure 8).

On August 19, 1997, City staff completed an extensive study on bin capacity, determined by number of bins and frequency of disposal, at Naval Station San Diego to determine a fair allocation of waste disposal (Enclosure 9). Based on this study, all waste generated by Naval Station San Diego has been divided between the cities of San Diego and National City at a 50/50 rate. A letter to Mr. Kurt Williams of National City public Works Department dated February 28, 1997 notified them of this fact (Enclosure 10).

In keeping with this policy of allocating fifty percent of the waste generated and material diverted by Naval Station San Diego to National City, the City of San Diego finds it must adjust its FY 1991 base year a corresponding amount. Therefore the City of San Diego is proposing to deduct fifty percent of Naval Station's FY 1991 disposal (total military disposal [163,161 tons] multiplied by 17.81% [CY 1997 disposal rate] ) and diversion from its base year. This equals 14,530 tons removed from base year disposal and 395 tons removed from base year diversion. It should be noted that National City has an FY 1990 base year and the tonnage they will be adding to their base year will be different from the tonnage we are subtracting from our base year (Enclosure 11).

If you have any questions, please contact Stephen Grealy, Supervising Recycling Specialist, at (858) 573-1275.

Sincerely,



ROBERT A. EPLER  
Assistant Environmental Services Director

SG/jt

- Enclosures:
1. Base Year Modification Request Certification
  2. CIWMB Fact Sheet 13.
  3. May 25, 1995 correspondence.
  4. San Diego SRRE, pages 7-4 and 7-5
  5. Excerpt from City of San Diego Water Utilities Department Metro Wastewater Division 1991 Annual Monitoring Report.
  6. Military Disposal Summary FY90 - 97
  7. Naval Station San Diego FY91 Recycling Report
  8. Military Disposal by Base - CY97
  9. Tonnage Allocation study dated August 19, 1997
  10. Environmental Services Department letter dated February 28, 1997

S:/Recycling/Annual Report/Cover page BaseYear Adjustment

STATE OF CALIFORNIA

CALIFORNIA INTEGRATED WASTE MANAGEMENT BOARD

**Base Year Modification Request Certification**

CMMB 628 (NEW 7/99)

To request a correction to or substitution for a previously approved base-year amount used in calculating the diversion rate for your jurisdiction, please complete and sign this form and return it to your Office of Local Assistance (OLA) representative at the address below, along with any additional information requested by OLA staff. When all documentation has been received, your OLA representative will work with you to prepare for your appearance before the Board. If you have any questions about this process, please call (916) 255-2555 to be connected to your OLA representative.

Mail completed documents to:

California Integrated Waste Management Board  
Office of Local Assistance, MS 8  
8800 Cal Center Drive  
Sacramento CA 95826

**General Instructions:**


Please select the **ONE** choice below that best explains your request to the Board, and complete the appropriate sections. **All respondents must complete Section I and either Section II A or II B, as noted.**

- ☒ 1. Correct our existing Board-approved base-year generation (disposal or diversion) tonnage. (Please complete Section I and Section II A.)
- ☐ 2. Use a recent generation-based study to substitute for our existing Board-approved base-year generation amount, but not officially change our existing Board-approved base year. (Please complete Section I and Section II B.)
- ☐ 3. Use a recent generation-based study to officially change our Board-approved existing base year to a new base year. (Please complete Section I and Section II B.)

**Section I: Jurisdiction Information and Certification**

*All respondents must complete this section.*

I certify under penalty of perjury that the information in this document is true and correct to the best of my knowledge, and that I am authorized to make this certification on behalf of:

Jurisdiction Name <b>City of San Diego</b>		County <b>San Diego</b>	
Authorized Signature 		Title <b>Assistant Environmental Services Director</b>	
Type/Print Name of Person Signing <b>Robert A. Epler</b>	Date <b>March 30, 2000</b>	Phone <b>(858) 492-5025</b>	
Person Completing This Form (please print or type) <b>John Theroux</b>	Title <b>Recycling Specialist II</b>	Phone <b>(858) 573-1284</b>	
Mailing Address <b>9601 Ridgehaven Ct Suite 320</b>	City <b>San Diego</b>	State <b>CA</b>	ZIP Code <b>92123</b>



## Section II A: Information for Correction of Existing Base-Year Tonnage

Respondents who chose option 1 on the first page must complete this section.

Attach additional sheets if necessary—please reference each response to the appropriate cell number (e.g., A6).

A1. Current Board-approved base year:	A2. Increased or decreased diversion tons requested:	A3. Increased or decreased disposal tons requested:	A4. Proposed total base-year generation tons requested (add figures from A2 and A3):
FY 1991	- 395 MILITARY + 188,742 SLUDGE	- 14,530 MILITARY + 7,273 SLUDGE	+ 181,090

A5. Document your proposed base-year modification method:

- ☒ Board-approved method from the March 26, 1997 "Agenda Item 32" list.\* Name of method: E2
- ☐ Board-approved method from November 5, 1998 "Agenda Item 8" ("LA Fix" method).\*
- ☐ Proposed method is not currently Board-approved. (Explain the method in detail below.)

### MILITARY

Diversion and disposal from Naval Station San Diego were 100% applied to City of San Diego's base year when 50% of disposal and diversion occurs within the jurisdiction of National City.

### SLUDGE

Sewage sludge was not accounted for in base year.

- \* If you need a copy of either agenda item, contact your Office of Local Assistance representative.

A6. If additional diversion tonnage is requested in Box A2, choose one:

- ☒ All diversion tonnage claimed is from a 100 percent audit (full enumeration) of diversion programs.
- ☐ Some diversion data were estimated or extrapolated from representative sampling. (Explain the amount and method in detail below.)

### MILITARY

All diversion is as reported in Naval Station San Diego FY 91 Recycling Report.

### SLUDGE

Source of information is City of San Diego Water Utilities Metro Wastewater Division Annual Monitoring Report for 1991.

A7. Describe the diversion data records that support your claim and are available for Board audit. Include type of record and location; for example, weigh tickets from transfer station.

Diversion Program	Tons	Type of Record	Location of Data
Annual Recycling Report Naval Station San Diego Recycling Program	- 395	Report to Commander, Naval Facilities Engineering Service Center (NFESC) Port Hueneme, CA	NFESC
Sludge Beneficial Use	+ 188,742	Report to State from San Diego Metropolitan Wastewater Dept (MWW)	SDMWW

A8. If additional disposal tonnage is requested in Box A3, choose one:

- ☒ All tons claimed are from a 100 percent audit (full enumeration) of hauler, self-haul, or other tonnage.  
☐ Some disposal data were estimated or extrapolated from representative sampling. (Explain the amount and method in detail.)

LITARY

Source of information is from City of San Diego Environmental Services Department Refuse Disposal Reporting System.

SLUDGE

Source of information is City of San Diego Water Utilities Metro Wastewater Division Annual Monitoring Report for 1991.

A9. In the table below, list the disposal data records that support your claim and are available for Board audit. Include type of record and location; for example, weigh tickets from transfer station.

Source of Additional Disposal	Tons	Type of Record	Location of Data
City of San Diego Refuse Disposal Reporting System	- 14,530	Refuse Disposal Report	ESD
Sludge, scum, grit, rags and screenings	+ 6,047 DE 8/28/00	Report to State from SDMWWD	SDMWWD

A10. Enter your diversion rates in the table below.

	1997	1998
Current calculated diversion rate:	a. 44.84 %	b. 42.25 %
Proposed diversion rate:	c. 48.77 %	d. 46.38 %

A11. If the proposed base-year generation tonnage correction results in an increase in either your 1997 or 1998 waste diversion rate, please explain how your diversion rate is consistent with your diversion program implementation efforts.

The City of San Diego's SRRE describes the City's efforts to market the biosolids for beneficial use (P7-5)

A12. If the difference between the proposed 1997 and 1998 diversion rates in A10c and A10d is greater than 5 percentage points, please explain the reasons for the difference in the rates. (For example: program implementation or data errors.)

Not Applicable

**CALIFORNIA INTEGRATED WASTE MANAGEMENT BOARD*****Sludge and Diversion Goal Measurement***  
WASTE CHARACTERIZATION & ANALYSIS BRANCH FACTSHEET 13  
June 9, 1997**Enacting Legislation**

Assembly Bills 1520, 2494, and 3322

**Statute: Public Resources Code (PRC) Sections**

PRC 41781 = Inclusion of Sludge in the Base-year.

PRC 41781.1 = Requirements for Claiming Sludge Diversion Credit.

PRC 42245 = Sludge limited to 25% of landfill cover materials or landfill cover extenders.

**Regulations: Title 14, California Code of Regulations**

Disposal Reporting = 14 CCR Sections 18800 through 18813

Sludge Diversion Request = 14 CCR Section 18775.2

Sludge Definition = 14 CCR Section 17225.67

**Top 5 Features**

1. For the purposes of goal measurement (see WCAB Factsheet 1), a jurisdiction that has a sewage treatment facility (or other sludge generating facility) is assigned any sludge disposal from the facility and may petition for diversion credit of sludge generated at the facility that is now being diverted.
2. For a material to count as diversion, it must have been "normally disposed" (i.e., 0.001% of total disposal) in a Board-permitted disposal facility in the jurisdiction's base-year.
3. Sludge disposal must be included in the jurisdiction's base-year (see WCAB Factsheet 2) if it was disposed in a permitted (SWFP) landfill or transformation facility during that year.
4. Sludge disposal must be included in the jurisdiction's reporting-year (e.g. 1995, 1996, etc.) disposal if it was disposed in a permitted (SWFP) landfill or transformation facility in that year. The amount reported in the Disposal Reporting System (WCAB Factsheet 5) and a jurisdiction's annual report (WCAB Factsheet 10) should be the same amount reported to the Board of Equalization for the Integrated Waste Management Fee. The weight of sludge reported to BOE should be the weight of the sludge actually disposed (at least 50% solids or where sludge is dried before disposal, the dry weight should be used). Base-year diverted amounts should be based on the weight as if the sludge had been disposed (at least 50% solids).
5. A jurisdiction may request that sludge "diversion credit" be included in the base-year and/or reporting-year. A request must include a description of: the diversion activity; the amounts of sludge diverted; and the monitoring program. It must also show that the project has met all applicable laws, has received all necessary permits and has met all conditions imposed by regulatory agencies (who must concur in the Board's findings). The Board must consult with these regulatory agencies and determine if the sludge has been adequately analyzed and if the diversion activity will pose a threat to public health or the environment.

*If you have questions, please call the Waste Characterization & Analysis Branch at (916) 255-2341.*

## CALIFORNIA INTEGRATED WASTE MANAGEMENT BOARD

11 Center Drive  
San Francisco, California 95826

May 25, 1995

Robert A. Epler  
Assistant Waste Management Director  
City of San Diego  
4950 Murphy Canyon Road, Suite 201  
San Diego, California 92123

RE: Board Approval of the City of San Diego's Source Reduction  
and Recycling Element

Mr. Epler:

On April 25, 1995, the California Integrated Waste Management Board (CIWMB) voted to approve your final Source Reduction and Recycling Element (SRRE) for the City of San Diego.

The Board determined that the City of San Diego's SRRE, as corrected and presented in the April 25, 1995, Board agenda item 46 (see attachment), substantially complied with all statutory and regulatory requirements. Those requirements provide that the SRRE evaluate alternatives, select programs for source reduction, recycling, and composting, and discuss market development for the selected alternatives. In addition, the SRRE must address disposal facility capacity, identify target audiences, and select public education programs, identify funding sources and contingency measures, and include an implementation schedule. A copy of agenda item 46 and the Board resolution No. 95-134 approving your SRRE are attached.

During the review of the SRRE for completeness and adequacy, Board staff found items that we recommend be addressed in your Annual Report. Please see the agenda item 46 (page 2) under "Area of Concern" for recommendations.

## California Integrated Waste Management Board

## LOCAL ASSISTANCE AND PLANNING COMMITTEE

April 20, 1995

## AGENDA ITEM 46

ITEM: CONSIDERATION OF STAFF RECOMMENDATIONS ON THE ADEQUACY OF THE SOURCE REDUCTION AND RECYCLING ELEMENT FOR THE CITY OF SAN DIEGO, SAN DIEGO COUNTY.

## STAFF COMMENTS:

The City of San Diego has undertaken a range of source reduction, recycling, and composting programs in response to AB 939. The City's SRRE projected diversion rates are 34.0% for 1995 and 51.0% for 2000. The corrected SRRE diversion rates are 30.9% for 1995 and 48.7% for 2000. Staff notified the City in a letter dated November 28, 1994, of the excluded waste issue. The City subsequently provided additional information, which staff found adequately documented the majority of the diversion as described on page two under Restricted Materials.

The City has selected a range of source reduction, recycling, and composting programs for implementation. The City plans to: implement a backyard composting program and a City-operated materials exchange; expand its curbside yard waste collection program; and, expand collection of recyclables from single and multi-family sources. The City's public education and information program highlights school programs--curricula development, development of educational materials, including bilingual materials, presentations, and internships. The City will continue to distribute its recycling directory, which serves as a multilingual/multicultural reference tool.

The City of San Diego is a member of both the San Diego Recycling Market Development Zone (RMDZ) and the North San Diego County RMDZ. The City will focus on development of a binational Recycling Market Development Zone within the border industrial areas of both the Cities of Tijuana and San Diego to stimulate regional markets for recyclable materials.

Even though the corrected City's projections fall slightly below the 50% goal, staff considers this within substantial compliance. Therefore, Staff recommend that the Committee approve the Source Reduction and Recycling Element for the City of San Diego, San Diego County.

## ANALYSIS:

SRRE

SRRE ADEQUACY	YES	NO
All required documentation submitted	X	
CIWMB draft comments adequately addressed	X	
LTF comments addressed	X	
Meets SRRE criteria (in CIWMP Adequacy Report)	X	
Meets SWGS criteria (in CIWMP Adequacy Report)		X
1995 corrected diversion projection is 25% or more	X	
2000 corrected diversion projection is 50% or more		X

San Diego	Base year			1995			2000		
	Dis.	Div.	Gen.	Dis.	Div.	Gen.	Dis.	Div.	Gen.
Original Claim	1,540,442	715,280	2,255,722	1,616,967	831,609	2,448,576	1,297,668	1,351,164	2,648,832
Changes to claimed tonnages:									
Restricted materials:									
Inert solids	0	0	0	0	0	0	0	0	0
Scrap metals	0	(-11)	(-11)	0	(-11)	(-11)	0	(-11)	(-11)
Agricultural waste	0	0	0	0	0	0	0	0	0
White goods	0	(-3,293)	(-3,293)	0	(-3,293)	(-3,293)	0	(-3,293)	(-3,293)
Subtotal	0	(-3,304)	(-3,304)	0	(-3,304)	(-3,304)	0	(-3,304)	(-3,304)
Revised inert solids disposal	120,189	0	120,189	120,189	0	120,189	120,189	0	120,189
Transformation	22,854	(-22,854)	0	36,630	(-36,630)	0	0	0	0
Corrected Totals	1,683,485	689,122	2,372,607	1,773,786	791,675	2,565,461	1,417,857	1,347,860	2,765,717
Claimed diversion rates		31.7%			34.0%			51.0%	
Corrected diversion rates		29.0%			30.9%			48.7%	

ATTACHMENT:

Resolution # 95-134 Approval for the SRRE for the City of San Diego

Prepared by: Lloyd Dillon *LD* Phone: 255-2303  
 Reviewed by: Claire Miller / John Sitts Phone: 255-2419  
 Reviewed by: Lorraine Van Kekerix *the public* Phone: 255-2670  
 Reviewed by: Judith J. Friedman *JJF* Phone: 255-2302  
 Legal Review: ETB Date/time: 4/7/95 1:10 pm

CERTIFICATION

The undersigned Executive Director of the California Integrated Waste Management Board does hereby certify that the foregoing is a full, true and correct copy of a resolution duly and regularly adopted at a meeting of the California Integrated Waste Management Board held on April 25, 1995.

Dated: APR 25 1995



Ralph E. Chandler  
Executive Director

Although asbestos is classified as hazardous in California, it can be disposed of in those landfills permitted by the Regional Water Quality Control Board to accept asbestos waste. The three landfills in southern California that can accept all types of asbestos waste are BKK (Class II) in West Covina; Chemical Management's Kettleman Hills (Class I) in Kettleman City; and Casmalia Resources Inc. (Class I) in Santa Barbara.

Sycamore and Miramar landfills are the only landfills in the county that accept asbestos waste; however, they only take non-friable asbestos that meets certain conditions. Non-friable asbestos is material which cannot be crumbled, pulverized, or made into a powder by hand. The hauler must: provide a laboratory analysis showing the percentage and type of asbestos, write a letter stating how the material was removed and that it is non-friable, obtain a "nonhazardous noninfectious special waste manifest," double wrap the asbestos in 6-mil double plastic bags, and give the landfill 48 hours advance notice of disposal. No recycling or other diversion of asbestos has been documented, and no diversion of asbestos is included in the waste projections in the appendices, however, new building standards may promote source reduction of this material, and may promote the use of other insulations materials, including fibers made from post-consumer mixed paper.

#### 7.2.2 SEWAGE SLUDGE

Sewage sludge is a waste product of municipal wastewater treatment. It has the potential for beneficial use as a soil conditioner but requires digestion, stabilization, dewatering, and composting before it is acceptable for most uses. The resulting compost can be applied as a soil amendment, or the sludge can be directly applied to the soil in certain situations. The San Diego Metropolitan Sewerage System (Point Loma Facility) is the regional facility responsible for treating San Diego's wastewater. This treatment plant processes a total of 180 million gallons per day (mgd) of raw wastewater, based on 1993 flows. By the year 2010, total flows are expected to increase by 36 mgd because of population growth in the area.



# CITY OF SAN DIEGO

## POINT LOMA OCEAN OUTFALL ANNUAL MONITORING REPORT



**WATER UTILITIES DEPARTMENT**

**METRO WASTEWATER DIVISION**



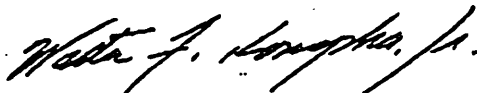
**JANUARY-DECEMBER 1999**

**1991 Annual Reports and Summary  
Point Loma Wastewater Treatment Plant  
Point Loma Ocean Outfall**

**Monitoring and Reporting Program No. 90-32  
NPDES No. CA 0107409**



**ALAN C. LANGWORTHY  
Deputy Water Utilities Director  
Metro Division**



**WALTER F. KONOPKA, Jr.  
Wastewater Laboratory Supervisor  
Operations Specialist**



**Producing Useful Information**

SLUDGE DISPOSAL FROM FIESTA ISLAND  
1991

DISPOSAL SITE:	IBANEZ FARMS (tons)	TOFCO (tons)
January	23,484	2,513
February	32,556	615
March	16,364	1,465
April	23,882	
May	18,186	1,465
June	10,542	4,653
July	6,353	3,439
August	9,217	
September	3,558	
October	14,809	
November	10,491	
December	5,150	
TOTAL	174,592	14,150 = 188,742

NOTE: A ton of Fiesta Island dried sludge equals  
about 1.4 cubic yards.



**City of San Diego**  
**Environmental Services Department**

9601 Ridgehaven Court, Suite 320  
San Diego, CA 92123-1636

Environmental Programs Division

Phone 492-5010 FAX 492-5089

**FAX COVER**

To : Terri Edwards Fax : \_\_\_\_\_  
From: John Theroux Phone: 858 573-1284  
Date : 8/24/00 Number of pages (including cover sheet): 2  
Subject: Base Year Mod Addendum

Terri-

As discussed in yesterday's email, here is  
the clarified/updated table for you.

Notice: THIS MESSAGE IS INTENDED ONLY FOR THE USE OF THE INDIVIDUAL OR ENTITY TO WHICH IT IS ADDRESSED AND MAY CONTAIN INFORMATION THAT IS PRIVILEGED, CONFIDENTIAL AND EXEMPT FROM DISCLOSURE UNDER APPLICABLE LAW. If the reader of this message is not the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately by telephone (collect), and return the original message to us at the above address via the United States Postal Service. Thank You.

25-24

**SLUDGE DISPOSAL FROM FIESTA ISLAND  
1991****DISPOSAL****SITE:**

	<b>IBANEZ FARMS (tons)</b>	<b>TOFCO (tons)</b>
January	23,484	2,513
February	32,556	615
March	16,364	1,465
April	23,882	
May	18,186	1,465
June	10,542	4,653
July	6,353	3,439
August	9,217	
September	3,558	
October	14,809	
November	10,491	
December	5,150	
<b>TOTAL</b>	<b>174,592</b>	<b>14,150</b>

**NOTE:** A ton of Fiesta Island dried sludge equals about 1.4 cubic yards.

In preparing this table, the City of San Diego's Wastewater Department did not distinguish between disposal and diversion. In this context, "disposal" means "disposition".

## TONS DISPOSED AT MIRAMAR LANDFILL BY MILITARY FACILITIES

Fiscal Year	Construction/Demolition Waste Disposed	Refuse Disposed	Total Tons Disposed
1990*			182,021
1991*			163,161
1992*			221,248
1993*			144,726
1994	73,285	67,378	140,663
1995	109,129	68,657	177,786
1996	135,906	67,272	203,178
1997	171,957	78,581	250,539

\* Prior to 1994, we could not break out construction/demolition materials from general refuse

# RECYCLING REPORT

NAVAL STATION  
(NAVSTA) SAN DIEGO  
(Activity Name)

FY: 91  
Date: 29 NOV 91

POC: CHARLES SERGENT  
Phone: (619) 556-8286

Commodity	Total Quantity	Unit of Measure	Remarks
1. Mixed Paper	459,020	LBS.	229.51 tons
2. Corrugated	777,560	LBS.	388.78 tons
3. Metal	6,944,160	LBS.	
4. Food Waste	299,220	LBS.	149.61 tons
5. Rubber Tires	125,000	LBS.	
6. Aluminum Cans	10,000	LBS.	5 tons
7. Scrap Glass	4,000	LBS.	2 tons
8. Petroleum, Solvents, etc.	800,000	GALS.	
9. Drums, Steel	NA	EA.	
10. Electrical/Electronic	300,000	LBS.	
11. Tab Cards	29,390	LBS.	14.7 tons
12. Pallets, Wooden	NA	EA.	
13. Batteries	250,000	EA.	
14. Plastics	3,000	LBS.	1.5 tons
15. Other (TEXTILES - OLD UNIFORMS)	/	<del>LBS.</del>	
			Total 791.1 Diversion 91

NOTE: This information can be shared publicly. Any requests for additional information should be directed to the Program Managers or Deputy Director of the Environmental Programs Division.

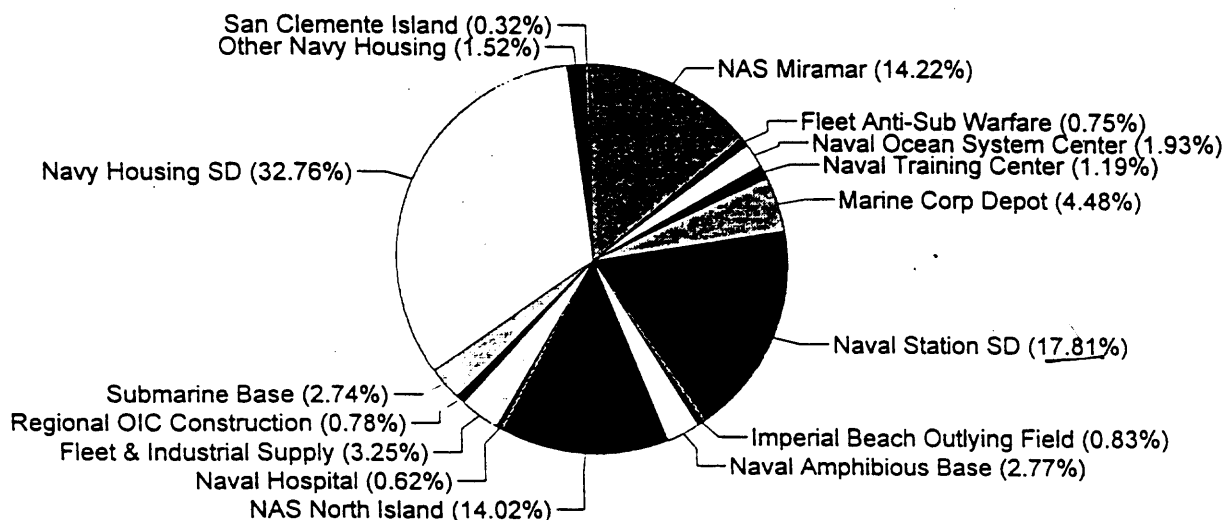
DO NOT USE THIS INFORMATION AFTER: May 31, 1998

### TONS DISPOSED AT MIRAMAR LANDFILL BY ALL MILITARY FACILITIES

Month	Tons Disposed FY '97			Tons Disposed FY '98		
	Refuse	Demolition	Totals	Refuse	Demolition	Totals
July	7,840	10,414	18,254	6,046	8,522	14,568
August	8,393	16,694	25,086	5,861	9,654	15,515
September	7,070	8,655	15,725	5,361	10,580	15,942
October	6,777	11,717	18,495	6,013	16,142	22,155
November	6,935	11,460	18,394	5,273	12,102	17,375
December	6,477	10,301	16,778	5,661	15,136	20,797
January	6,416	8,951	15,367	5,920	14,548	20,467
February	5,878	11,971	17,848	5,199	11,235	16,434
March	6,362	21,340	27,702	6,031	26,844	32,875
April	5,843	26,978	32,821	0	0	0
May	5,390	20,082	25,473	0	0	0
June	5,200	13,395	18,595	0	0	0
Totals	78,581	171,957	250,539	51,364	124,763	176,128
Avg Monthly	6,548	14,330	20,878	5,707	13,863	19,570
Projected Tons				68,486	166,351	234,837

### MILITARY WASTE DISPOSAL BY FACILITY

Actual Tons Disposed Jan. - Dec. 1997





CITY OF SAN DIEGO  
M E M O R A N D U M

DATE: August 19, 1997

TO: Distribution

FROM: Theresa Hoff, Administrative Intern, ESD

SUBJECT: Tonnage Allocation for Naval Facilities within San Diego

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In past years, 100% of the waste from Naval Station was allocated to the City of San Diego, even though approximately half of the base is within National City boundaries and 100% of the waste from Naval Air Station, North Island was allocated to the City of Coronado even though approximately 5% of the base is within the City of San Diego. Beginning in January 1997, we began allocating the waste from Naval Station 50/50 between the City of San Diego and National City. In recent months, the City of Coronado has expressed its desire to continue having 100% of the waste generated within NASNI allocated to the City of Coronado. In order to determine if the 50/50 split between the City of San Diego and National City, and the 100% allocation to the City of Coronado is fair and accurate, I was asked to determine how much waste is generated by each Navy base.

I conducted my analysis by determining the current total bin capacity at each location. I also looked into the composition of the waste. From my research, I have determined that the 50/50 split between the City of San Diego and National City is fair. Approximately 51% of total bin capacity on Naval Station is within the City of San Diego. As for NASNI, approximately 9% of total bin capacity is within San Diego; therefore, allowing the City of Coronado to claim 100% of the waste is actually in our favor.

Please review the attached reports for detailed information on generated waste and total bin capacity at each base. If you have any questions or comments, please feel free to contact me at ext. 73312.



THERESA HOFF

Attachment

## Distribution:

Robert A. Epler, Assistant Environmental Services Director  
Kip Sturdevan, Recycling Program Manager, Environmental Services  
Lisa F. Wood, Senior Environmentalist, Environmental Services  
Firouzeh Tirandazi, Associate Planner, Environmental Services  
Shelly Stowell, Programs Division, ESD

## TONNAGE ALLOCATION FOR NAVAL FACILITIES WITHIN THE CITY OF SAN DIEGO

### NAVAL STATION, SAN DIEGO

Primary refuse collection for Naval Station is provided by the Navy's Public Works Center(PWC) on base. Approximately 11% of the refuse collection is provided by Waste Management through a private contract. Total bin capacity for Naval Station is approximately 9,346yd<sup>3</sup> per week, with 51% bin capacity within San Diego (this includes both PWC and Waste Management, see attached chart). The composition of the waste is primarily commercial/residential refuse, including waste generated on ships (not including foreign garbage). Foreign garbage is considered waste that is generated 50 miles out to sea. That waste is picked up and disposed of separately. The foreign garbage is frozen and stored in tri-walls aboard ship. When the ship docks, the waste is picked up by PWC in a 20yd<sup>3</sup> roll-off dumpster called a "cooker". PWC picks up foreign garbage for all the bases in San Diego County and hauls it to Naval Station. Once at Naval Station, the cooker, which is plumbed with heater pipes is connected and turned on. The waste is then cooked to remove bacteria, etc. and then hauled to the landfill for disposal. PWC picks up foreign waste on an average of about once a week. Currently, all foreign garbage entering the landfill is reported as coming from Naval Station. However, PWC is in the process of converting the "cooker" into a mobile unit so that each base can handle its own foreign garbage. Wet garbage, which is food waste from the ships galley, is dumped into specified "wet garbage only" dumpsters located on the piers. These dumpsters are included in the total bin capacity mentioned above. There is no real reason for its separation, it is picked up just like all other waste. Construction and demolition(C&D) waste is collected separately by private haulers on a special, often one time only, contract. Because of the nature of C&D waste, it is not possible to accurately estimate how much or from where on the base C&D waste will come from in the future. Waste generated from special events is collected the same as C&D waste.

Using a conversion factor of 100-200lbs/yd<sup>3</sup> (Solid Waste Handbook, Robinson 1986), total bin capacity of 9,346yd<sup>3</sup> per week is equivalent to 467 - 935 tons per week or 1,869 - 3,738 tons per month. According to reports generated at Miramar, during 1997, Naval Station has been disposing an average of 1,376 tons of refuse (excluding C&D waste) per month at the landfill. This is about 37% to 74% of total bin capacity, depending on the conversion factor used.

Naval Station Solid Waste Program Manager, Timone Hood, advised me that because most of the refuse collection is provided by their PWC, collection frequency can and is often changed to accommodate demand. The collection frequency information that she provided to me, which is the information I based my research on, is just a snap shot view of what is a typical week on the base.

NAVAL STATION  
MAXIMUM BIN CAPACITY PER WEEK

SAN DIEGO BOUNDARIES

QTY (# OF BINS)	SIZE (CY)	SERVICE/WK	TOTAL BIN CAPACITY IN CY (QTYxSIZExSERVICE)
17	8	1	136
33	8	2	528
20	8	3	480
7	8	4	224
17	8	5	680
30	8	6	1440
4	5	1	20
6	5	2	60
8	5	3	120
2	5	4	40
7	5	5	175
1	45	1/2 (every other week)	22.50
2	45	3	270
1	45	5	225
1	45	7	315
TOTAL			4735.50 CY/WK

NATIONAL CITY BOUNDARIES

QTY (# OF BINS)	SIZE (CY)	SERVICE/WK	TOTAL BIN CAPACITY (QTYxSIZExSERVICE)
20	8	1	160
2	8	2	32
13	8	3	312
1	8	4	32
1	8	5	40
53	8	6	2544
7	5	1	35
10	5	2	100
4	5	3	60
5	5	5	125
4	45	1	180
4	45	2	360
3	45	3	405
1	45	5	225
TOTAL			4610 CY/WK

NAVAL STATION TOTAL BIN CAPACITY = 9345.50 CY/WK

51% bin capacity within San Diego  
49% bin capacity within National City



# THE CITY OF SAN DIEGO

ENVIRONMENTAL SERVICES DEPARTMENT  
9601 RIDGEHAVEN COURT, SAN DIEGO, CA 92123-1636

February 28, 1997

Ed L. Hays  
Director  
210  
9 492-5056  
9 492-5021

Environmental  
Services Division  
320  
9 492-5010  
9 492-5089

Waste Collection  
320  
9 492-5059  
9 492-5068

Waste Disposal  
320  
9 492-5020  
9 492-5041

Kurt Williams  
National City  
Public Works Department  
2100 Hoover Avenue  
National City, CA 91950

Dear Mr. Williams:

This letter is to remind you that due to a recent modification of our landfill data collection system there will likely be a noticeable change in the reported tonnages disposed at Miramar Landfill by generators in your City.

In our on-going efforts to improve the accuracy of the data collected on the origin of materials entering the Miramar Landfill, the City's data collection system has been improved. This enables the City to identify the tons disposed at Miramar by each Naval facility. In addition to providing a valuable planning tool to assist us and the Navy with waste diversion efforts, this modification will allow Naval waste to be more accurately allocated to the jurisdiction of origin.

During the past year, 100% of the waste from Naval Air Station, North Island was allocated to the City of Coronado. However, a portion of the base and the carriers are within the City of San Diego's boundaries. Also, 100% of the waste from Naval Station San Diego was allocated to the City of San Diego, even though approximately half of the base is within National City's boundaries.

Beginning in January 1997, the following changes in allocation of Naval wastes were implemented:

- 1) Naval Air Station, North Island's waste will be split 50/50 between the City of San Diego and the City of Coronado; and
- 2) Naval Station San Diego's waste will be split 50/50 between the City of San Diego and National City.

RECEIVED  
PUBLIC WORKS DEPARTMENT  
97 MAR -5 AM 11:31  
CITY OF  
NATIONAL CITY, CA



DIVERSITY  
AGS US ALL TOGETHER

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25-32



**City of National City  
Public Works Department**

2100 Hoover Ave., National City, CA 91950-6599  
(619) 336-4580 Fax: (619) 336-4597

March 22, 2000

Mr. Kip Sturdevan  
City of San Diego  
Environmental Services Department  
9601 Ridgchaven Court, MS 1103-B  
San Diego, CA 92123

Dear Mr. Sturdevan:

**Subject: 1990 Base Year Adjustment Regarding Naval Station San Diego**

A 1997 City of San Diego study determined that 50% of the waste generated from Naval Station San Diego (NAVSTA) should be attributed to the City of National City. Therefore, in order to correctly calculate our AB939 diversion rate we need to correct our 1990 base year tonnage to include NAVSTA solid waste and recycling for 1990.

We realize that 1997 was when the City of San Diego upgraded its scale system at the Miramar Landfill to begin tracking all waste by point of origin. It was at that time that it was determined that NAVSTA represented 17.81% of all military waste entering Miramar Landfill. Therefore, we feel comfortable using that percentage as a reasonable determination measure for allocating out the 1990 tonnage that was generated at NAVSTA.

According to the attached City of San Diego reports, military facilities disposed of 182,021 tons of solid waste at Miramar Landfill in 1990. With the above percentage calculation of 17.81%, the NAVSTA tonnage for 1990 equals 32,418 tons. Fifty percent of this figure would be 16,209 tons that would be added to our 1990 base year. Additionally, NAVSTA diversion records show that a total of 610 tons of material were diverted/recycled in 1990. Thus, fifty percent of this amount, or 305 tons, will also be added to our base year.

Therefore, we are respectfully requesting that as we make this adjustment the City of San Diego will want to make a corresponding percentage adjustment, or deduction, to your 1991 base year to reflect 50% of the NAVSTA tonnage being attributed to National City.

Reports with this data were compiled with the assistance of Environmental Services Department Staff and a representative from NAVSTA. If there are any questions on this information, please feel free to contract me directly at (619) 336-4580.

Reviewed by:

*T. McAvoy*  
T. McAvoy  
Deputy Public Works Director

TM/mla

Approved by:

*Barton S. Myers*  
Barton S. Myers  
City Engineer/Acting Public Works Director